

**State Project No.**  
**Parish**  
**District**

## **Plan Constructability/Biddability Review**

### ***SYSTEMS PRESERVATION PROGRAMS***

**Pavement Replacement, Major Rehabilitation, Minor Rehabilitation, and Preventive Maintenance**

**SYSTEMS PRESERVATION PROGRAMS**  
**PLAN CONSTRUCTABILITY / BIDDABILITY REVIEW**

**Purpose:**

- To provide information to assist in producing quality plans
- To provide a history of information that is easily accessible
- To provide questions that would stimulate discussion of potentially problematic areas
- To provide questions that will stimulate checking for all details and items required to complete the project
- To provide aid during design for QA/QC

**Instructions for completing the form:**

- The Preliminary Design portion of the form shall be filled out and signed by the Design Engineer or Construction Coordinator and a copy of the form shall be submitted with the preliminary plans to the Construction Section and Systems Preservation Section.
- The original form, with Preliminary Design portion complete, and preliminary plans shall be sent to the Project Engineer.
- The Final Construction portion shall be filled out and signed by the Project Engineer and reviewed and signed by the Area Engineer based on the preliminary plan submittal. The Project Engineer will address any comments from the Design Engineer or Construction Coordinator and return the completed form to the Design Engineer. The original document will be submitted with the final plans to Systems Preservation Section, with a copy transmitted to Construction Section.
- If answer to the question is in blue box (or lightly shaded if in black and white), a comment is **NOT** required.
- Most questions are designed that a “NO” answer will require comments on what is missing or needed.
- Most questions are designed that a “YES” answer means the plans meet the project needs or a follow up question is required.
- If comment is lengthy, show reference number on notes page for easy reference.
- Design Engineers will ensure all comments are addressed and copy all reviewers.
- Each review is considered complete when all comments are addressed.
- If question is answered N/A, question is not applicable to project.

**SYSTEMS PRESERVATION PROGRAMS  
PLAN CONSTRUCTABILITY / BIDDABILITY REVIEW**

State Project No. \_\_\_\_\_ Route No. \_\_\_\_\_

F.A.P. No. \_\_\_\_\_ Parish \_\_\_\_\_

Project Name \_\_\_\_\_ District \_\_\_\_\_

Name: \_\_\_\_\_

Date of Site Visit: \_\_\_\_\_

Description	PRELIM Design		FINAL Const		N/A	COMMENTS	
	Y	N	Y	N		Comment	Response
<b>I. TITLE SHEET</b>							
1. Are limits shown on Title Sheet in agreement with summary sheets?							
2. Are project limit exceptions noted? (RR, Bridge, etc)							
3. Are all applicable standard plans noted?							
4. Is the traffic data current and does it reflect actual conditions?							
5. For multiple projects, are all project numbers shown?							
<b>II. TYPICAL SECTION SHEETS</b>							
1. Is this a "Functional" Overlay?							
1a. If no, is it a "Structural" Overlay?							
2. Is the District in agreement with the proposed pavement type?							
3. Does typical section match design from Pavement Engineer?							
4. If widening lanes or shoulders, have existing utility locations been							

Description	PRELIM Design		FINAL Const		N/A	COMMENTS	
	Y	N	Y	N		Comment	Response
investigated?							
5. Is the subgrade soil survey included in plans?							
6. For asphalt pavement, is the design criteria shown? (ESALs)							
7. Is the existing typical section shown?							
8. If transitions at bridges or begin and end of project are required, are details included?							
9. Is laboratory information included for existing roadway?							
10. Are limits of cold planing shown?							
11. Are striping and new lane widths shown?							
12. Will project drain properly during construction?							
13. Are underdrains included in the plans?							
14. Are Design Exceptions required/noted?							
15. Is earthwork/base course construction required?							
15a. If so, is the method of construction applicable?							
16. Are station limits shown?							
17. Are all transitions shown?							
<b>III. SUMMARY SHEETS</b>							
<b>A. EARTHWORK</b>							
1. Is method of payment for earthwork / borrow satisfactory?							
<b>B. DRAINAGE</b>							
1. Is review of plans by the Hydraulics Section required?							
2. Will existing ditch cleaning be required?							
2a. If yes, are the limits and pay items included?							
3. Is there identification and adequacy of all drainage items and quantities?							
4. Is there a method to connect new and existing drainage structures?							
5. If drainage structures are being required, is method of backfilling							

Description	PRELIM Design		FINAL Const		N/A	COMMENTS	
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shown?							
6. Is bedding material item included?							
7. If metal pipe is allowed, is pH and resistivity information included in plans?							
8. If new or altered drainage structures are planned, are utility adjustments required?							
<b>C. EROSION CONTROL</b>							
1. Have sufficient temporary erosion control items been included?							
2. Are permanent erosion control items required?							
2a. If yes, list types.							
<b>D. MISCELLANEOUS</b>							
1. For items designated for removal, is method of payment included?							
2. Are there any salvageable materials defined?							
2a. If yes, has location for hauling been defined?							
3. Is traffic maintenance aggregate required?							
3a. If yes, how much?							
4. Is the amount of contractor retained cold planed asphalt defined?							
5. If amount of contractor retained cold planed asphalt is <75% of total RAP quantity, has approval been obtained?							
6. Is an item for saw cutting required for asphaltic concrete pavement patching?							
7. Is an item for saw cutting included for removal of concrete drives?							
8. Are exceptions shown and properly depicted in tables? (RR, Bridges, etc.)							
9. Are all work elements identified clearly and all corresponding pay							

Description	PRELIM Design		FINAL Const		N/A	COMMENTS	
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items included with adequate quantities to construct project?							
10. Do pay items conform to current "Master Item List" /Site Manager?							
11. Have specialty Items been given appropriate numbers compliant with Site Manager and Trns*port?							
12. Did you create any new NS items?							
12a. If yes, has information been sent to Contracts and Specifications?							
13. Is a project site laboratory or project site laboratory (equipped) required? Please list type.							
14. Do loop detectors exist?							
14a. If yes, will existing loop detectors be destroyed by construction?							
14b. If loop detectors are being replaced, are all pay items included (i.e. conduit, junction boxes, conduit, etc.)?							
14c. Has Traffic Section requested video detection?							
15. Are there notes and/or items covering pay for traffic control items?							
<b>IV. SAFETY ASSESSMENT</b>							
1. Crash data for project has been reviewed using checklist?							
2. Any abnormal locations/overrepresented crash types identified?							
2a. If yes, has RSA been conducted?							
2b. Are recommendations from RSA included in plans?							
2c. Have abnormal/overrepresented safety improvements been considered in design?							
3. Have baseline safety improvements been considered in design?							
<b>IV. GEOMETRIC DETAILS</b>							
1. Have all areas where improvements to the alignment are possible been addressed?							
2. Is required information on geometric sheets (e.g. curve data, centerline, etc.)							

Description	PRELIM Design		FINAL Const		N/A	COMMENTS	
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3. Are required superelevation corrections on plans?							
4. Will changes in the superelevation affect driveway or property access?							
<b>V. SEQUENCE OF CONSTRUCTION</b>							
1. Is through traffic to be maintained?							
1a. If no, are detour routes provided?							
2. Has someone from HQ Construction reviewed the plans?							
2a. If so, who?							
3. Are traffic operations requirements properly addressed? (i.e., signing, pavement markings, TC Details, etc.)							
4. Are there adequate provisions if signs or road markers are to be removed?							
5. Are there adequate accommodations for intersecting and crossing traffic?							
6. Have pedestrian and bicycle accommodations been addressed?							
7. Have restrictions (e.g. lane closure, general construction or peak-hour restrictions in urban areas, schools, festivals, harvesting, RS 48:279 – Night time work) been identified?							
8. Are items for temporary safety device requirements and provisions included (i.e. guard rail, attenuators, barrier rail, etc.)?							
9. Are there conflicts between existing and new surfacing being used to maintain traffic (i.e. drop-offs >2", guard rail, etc.)							
10. If existing parking is affected, have accommodations been made for temporary and permanent parking?							
<b>VI. GENERAL</b>							

Description	PRELIM Design		FINAL Const		N/A	COMMENTS	
	Y	N	Y	N		Comment	Response
1. Is the project constructible w/ typical construction equipment? (ex: tandem trucks, mtv's, etc...)							
2. Are appropriate general notes and special provisions shown for construction?							
3. Are all applicable standard plans/special details included in plans?							
4. If finish grade elevation is increased, will adjustments be needed to the following?							
- intersections							
- curbs							
- catch basins							
- manholes							
- bridge railing/guard rail							
- shoulders							
- Other							
5. If overlaying a bridge, has Bridge Design been consulted?							
6. Are plans clear and legible?							
7. Do specifications support the plans?							
8. Do current site conditions conform to those represented in plans? (i.e. patching quantities, drives, etc...)							
9. Have ADA requirements been addressed?							
10. Have environmental safeguards on dust control, erosion, noise, and disposal of wastes been addressed?							
11. Is there sufficient horizontal or vertical clearance within the work zone? (overhead utilities, guy wires, tree canopies, power poles, bridges, etc....)							



Description	PRELIM Design		FINAL Const		N/A	COMMENTS	
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12. Do you anticipate the need for any permits? (COE, NOI, RR, etc.)							
13. Have all encroachments been addressed?							
14. Have previous commitments been addressed? (City/State agreements, RR agreements, decisions from Stage 0, etc...)							
15. Is the amount of construction time in contract sufficient?							
16. Is an assembly period recommended?							
17a. If yes, How many days							
17. If turn lanes are added, will the following apply?							
18a. Are utility adjustments required?							
18b. Any right-of-way issues need to be addressed?							
18c. Hydraulic review needed?							
18d. Geometric review needed?							
18e. Geometric Detail Sheets or Plan/Profile Sheets needed?							
18f. Traffic Engineering review needed?							
18g. Bridge review needed?							
18h. Geotech review needed?							

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Preliminary review by Designer/Construction Coordinator

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Date

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Final review by Project Engineer

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Date

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Constructability / Biddability review by Area Engineer

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Date

**NOTES PAGE**

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